

MEMORANDUM



Date: June 26, 2007

To: Honorable Chairman Bruno A. Barreiro
and Members, Board of County Commissioners

Agenda Item No. 8(R)3(F)

From: George M. Burgess
County Manager

A handwritten signature in black ink, appearing to read "Burgess", written over the printed name of George M. Burgess.

Subject: Request to Advertise for Construction Management Services for the South Miami Heights Water Treatment Plant - Contract No: E07-WASD-01

Recommendation

This Request to Advertise for a consultant selection for Contract No. E07-WASD-01 has been prepared by the Miami-Dade Water and Sewer Department (MDWASD) and is recommended for approval. The consultant shall provide construction management services for several construction contracts including contract administration, day to day inspection services, permitting, procurement, and start-up services for a 20 million gallon per day (MGD) South Miami Heights Water Treatment Plant (SDWWTP).

Scope

PROJECT NAME: Construction Management Services for the SDWWTP

PROJECT NO: E07-WASD-01

CONTRACT NO: E07-WASD-01

PROJECT DESCRIPTION: The consultant will provide construction management services for a 20 MGD nanofiltration membrane softening plant, including but not limited to a 5 MGD water reservoir, high service pump station, post treatment chemicals, degasifier contact basin, electrical switch gear, electrical rooms, generators, membrane process equipment, pretreatment strainers and building structures. The selected consultant will provide construction management services which will include daily inspections, maintaining daily logs, review and approve construction schedules and schedule of values, process and authorize progress payments including allowance accounts and change orders, establish a system to track all construction documents and activities, interface with the design engineer of records as needed, perform/oversee plant start-up services and certification of the water plant, pipelines and wellfield projects, complete/review operations maintenance manuals, respond to "Requests for Information" and integrate consultant staff with MDWASD staff. The consultant shall also develop, implement and maintain a quality assurance and quality control program plan for the SDWWTP.

PROJECT LOCATION: 11800 SW 208 Street

PRIMARY COMMISSION DISTRICT: District 9 Dennis C. Moss

APPROVAL PATH: Board of County Commissioners

OCI A&E PROJECT NUMBER: E07-WASD-01

USING DEPARTMENT: Miami-Dade Water and Sewer Department

MANAGING DEPARTMENT: Miami-Dade Water and Sewer Department

Fiscal Impact / Funding Source

FUNDING SOURCE: **SOURCE**
WASD Revenue Bonds Sold and Water Construction Fund

PTP FUNDING: No

GOB FUNDING: No

CAPITAL BUDGET PROJECT:	<u>BUDGET PROJECT / DESCRIPTION</u>	<u>RTA ESTIMATE</u>
	9652821-SOUTH MIAMI HEIGHTS WATER TREATMENT PLANT AND WELLFIELD	<u>\$4,400,000.00</u>
	Book Page: 318 Funding Year: Adopted Capital Budget Book for 2006-2007 from Prior Years' Funding	

PROJECT TECHNICAL CERTIFICATION REQUIREMENTS:	<u>TYPE CODE DESCRIPTION</u>
	Prime 6.01 WATER AND SANITARY SEWER SYSTEMS - WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION SYSTEMS
	Prime 6.02 WATER AND SANITARY SEWER SYSTEMS - MAJOR WATER AND SANITARY SEWAGE PUMPING FACILITIES
	Prime 6.03 WATER AND SANITARY SEWER SYSTEMS - WATER AND SANITARY SEWAGE TREATMENT PLANTS
	Prime 17.00 ENGINEERING CONSTRUCTION MANAGEMENT
	Other 11.00 GENERAL STRUCTURAL ENGINEERING
	Other 12.00 GENERAL MECHANICAL ENGINEERING
	Other 13.00 GENERAL ELECTRICAL ENGINEERING
	Other 14.00 ARCHITECTURE
	Other 16.00 GENERAL CIVIL ENGINEERING

ESTIMATED CONTRACT PERIOD: 2190 6 years for Construction Management Services
Consecutive
Calendar Days

ESTIMATED CONTINGENCY PERIOD: 219 Consecutive Calendar Days

IG FEE INCLUDED IN BASE CONTRACT: Yes

ART IN PUBLIC PLACES: No

BASE ESTIMATE: \$4,000,000.00

CONTINGENCY ALLOWANCE (SECTION 2-8.1 MIAMI DADE COUNTY CODE):	TYPE	PERCENT	AMOUNT	COMMENT
	PSA	10%	\$400,000.00	

TOTAL DEDICATED ALLOWANCE: \$0.00

COST ESTIMATE: \$4,400,000.00

Track Record / Monitor

EXPLANATION:

MINIMUM QUALIFICATIONS EXCEED LEGAL REQUIREMENTS: No

REVIEW COMMITTEE: **MEETING DATE:** 3/28/2007 **SIGNOFF DATE:**

RESPONSIBLE WAGES: No

REVIEW COMMITTEE ASSIGNED CONTRACT MEASURES:	MEASURE	GOAL	COMMENT
	CBE	25.00%	CBE
	CWF	0.00%	Not Applicable

MANDATORY CLEARING HOUSE: No

CONTRACT MANAGER NAME/PHONE/EMAIL:	Ralph Terrero	786-552-8112	TERRERO@miamidade.gov
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PROJECT MANAGER NAME/PHONE/EMAIL:	Patty David	786-552-8040	pattyd@miamidade.gov
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Background

BACKGROUND: The consultant shall provide construction management services for several construction contracts including contract administration, day to day inspection services, permitting, procurement, and start-up services for a 20 MGD SDWWTP.

BUDGET APPROVAL
FUNDS AVAILABLE:


OSBM DIRECTOR

5-23-07
DATE

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APPROVED AS TO
LEGAL SUFFICIENCY:


COUNTY ATTORNEY

5-30-07
DATE


ASSISTANT COUNTY
MANAGER

5/31/07
DATE

CLERK DATE

DATE

**Request to Advertise
Construction Management Services for the
South Miami Heights Water Treatment Plant
Project No. E07-WASD-01**

**BUDGET PROJECT AND
DESCRIPTION:**

9652821 - South Miami Heights Water Treatment Plant
and Wellfield

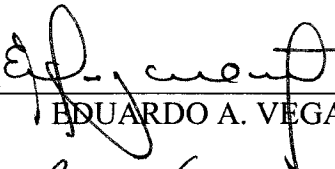
FUNDING SOURCE:

WASD Revenue Bonds Sold
Future WASD Revenue Bonds

INDEX CODES:

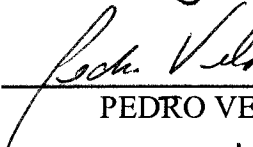
EW242, EW244 and EW251

**ASSISTANT DIRECTOR,
ENGINEERING:**

 5/14/07

EDUARDO A. VEGA, P.E. DATE

DEPT. BUDGET OFFICER

 5/14/07

PEDRO VELAR DATE

**ASSISTANT DIRECTOR,
FINANCE**

 5/14/07

DIANE CAMACHO DATE

**DEPUTY DIRECTOR,
OPERATIONS**

 5/14/07

JOSEPH A. RUIZ, JR. DATE

STRATEGIC AREA: Neighborhood and Unincorporated Area Municipal Services
DEPARTMENT: Water and Sewer

***** FUNDED PROJECTS *****
(dollars in thousands)

SOUTH MIAMI HEIGHTS WATER TREATMENT PLANT AND WELLFIELD

PROJECT # 9652821

DESCRIPTION: Construct a water treatment plant, a wellfield, and various water transmission mains in South Miami-Dade County

LOCATION: 11800 SW 208 St

Unincorporated Miami-Dade County

ESTIMATED ANNUAL OPERATING IMPACT: Minimal

DISTRICT LOCATED: 9

DISTRICT(s) SERVED: Systemwide

REVENUE SCHEDULE:

	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Water Connection Charges	14,881	1,539	850	1,484	400	1,515	2,185	450	23,304
Miscellaneous - Other County Sources	300	0	0	0	0	0	0	0	300
WASD Revenue Bonds Sold	36,447	0	0	0	0	0	0	0	36,447
Future WASD Revenue Bonds	0	0	0	98,673	0	0	0	0	98,673

TOTAL REVENUE:

51,628	1,539	850	100,157	400	1,515	2,185	450	158,724
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EXPENDITURE SCHEDULE:

	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Planning and Design	842	912	2,789	3,878	3,498	1,874	610	41	14,444
Construction	8,412	9,114	27,863	38,733	34,935	18,724	6,090	409	144,280

TOTAL EXPENDITURES:

9,254	10,026	30,652	42,611	38,433	20,598	6,700	450	158,724
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SOUTH MIAMI-DADE WATER TRANSMISSION MAINS IMPROVEMENTS

PROJECT # 9650021

DESCRIPTION: Construct various water transmission mains to serve South Miami-Dade County after the new treatment plant is in service

LOCATION: South Miami-Dade County

Systemwide

ESTIMATED ANNUAL OPERATING IMPACT: Minimal

DISTRICT LOCATED: Systemwide

DISTRICT(s) SERVED: Systemwide

REVENUE SCHEDULE:

	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	0	0	0	0	15,000	15,000

TOTAL REVENUE:

0	0	0	0	0	0	0	0	15,000	15,000
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EXPENDITURE SCHEDULE:

	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Planning and Design	0	0	0	0	0	0	0	1,365	1,365
Construction	0	0	0	0	0	0	0	13,635	13,635

TOTAL EXPENDITURES:

0	0	0	0	0	0	0	0	15,000	15,000
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BUDGET PROJECT 9652821

Project Title: 9652821-SOUTH MIAMI HEIGHTS WATER TREATMENT PLANT AND WELLFIELD

Project Desc: Construct water treatment plant, wellfield, and raw and treated water transmission mains in South Miami-Dade County

Project \$\$	<u>Start:</u>	<u>End:</u>	<u>Prior:</u>	<u>06-07:</u>	<u>07-08:</u>	<u>08-09:</u>	<u>09-10:</u>	<u>Total:</u>
(\$\$ in 000's)	10/1/2000	9/30/2008	9,254	10,026	30,652	42,611	38,433	158,724

Project Type: Capital

CDPWeb Project Milestones (\$ IN 000'S)

<u>Milestone:</u>	<u>Start:</u>	<u>End:</u>	<u>Prior:</u>	<u>06-07:</u>	<u>07-08:</u>	<u>08-09:</u>	<u>09-10:</u>	<u>Total:</u>
Planning/Design	N/A	N/A	842	912	2,789	3,878	3,498	14,444
Construction	N/A	N/A	8,412	9,114	27,863	38,733	34,935	144,280

CDPWeb Project Revenue (\$ IN 000'S)

<u>Revenue:</u>	<u>Start:</u>	<u>End:</u>	<u>Prior:</u>	<u>06-07:</u>	<u>07-08:</u>	<u>08-09:</u>	<u>09-10:</u>	<u>Total:</u>
Water Connection Char	N/A	N/A	14,881	1,539	850	1,484	400	23,304
Miscellaneous - Other	N/A	N/A	300	0	0	0	0	300

EXIT

Current Contracts for Project 9652821

<u>Dept</u>	<u>ContractNo</u>	<u>Contract Name</u>	<u>RTA Budget Allocation</u>	<u>Award Budget Allocation</u>	<u>CIIS Award</u>
WS	<u>E05-WASD-02</u>	Design of a 60-inch Force Main	\$1,650,000.00	\$0.00	\$1,500,000.00
WS	<u>E05-WASD-02</u>	Design of a 60-inch Force Main	\$0.00	\$1,650,000.00	\$1,500,000.00
WS	<u>E05-WASD-05</u>	Construction Management Servic	\$6,600,000.00	\$0.00	\$0.00
WS	<u>E07-WASD-01</u>	Construction Management Servic	\$4,400,000.00	\$0.00	\$0.00
WS	<u>W-861</u>	Installation of 42-inch, 36-in	\$0.00	\$3,654,466.33	\$3,234,041.00
WS	<u>W-866</u>	Installation of 36-Inch Ductil	\$1,040,000.00	\$0.00	\$934,254.50
WS	<u>W-866</u>	Installation of 36-Inch Ductil	\$0.00	\$1,055,707.59	\$934,254.50
WS	<u>W-884</u>	Installation of 36-Inch Ductil	\$0.00	\$1,261,828.63	\$1,116,662.50

Total Allocated: \$13,690,000.00 \$7,622,002.55

Current Sites for Project 9652821

<u>Site</u>	<u>Location</u>
68623	11800 SW 208 St

PSA Contract Executive Summary

Department	Agreement #	Contact Name	Contractor	Asst. County Manager	Prime Commissioner & District
WASD	E07-WASD-01	Patty David-786-552-8040		Roger Carlton	Dennis C. Moss-District 9
Description	Construction Management Services for the South Miami Heights Water Treatment Plant				

Time

NOTICE TO PROCEED DATE	ORIGINAL DURATION DAYS	ORIGINAL Agreement CONTINGENCY DAYS	CHANGE ORDER DAYS	CO CONTINGENCY DAYS	CONTINGENCY EXTENTION AUTHORIZED	CONTINGENCY EXTENTION REMAINING	OPT TO EXT TOTAL/USED	ORIGINAL COMPLETION DATE	REVISED COMPLETION DATE	TOTAL DURATION DAYS
N/A	0	0	0	0	0	0	0 / 0	N/A	N/A	0

Explanation:

Agreement Dollar Values

ORIGINAL TOTAL AGREEMENT	ORIGINAL AGREEMENT BASE	ORIGINAL Agreement CONTINGENCY	ORIGINAL AGREEMENT DEDICATED	AMEND BASE	AMEND CONTINGENCY	AMEND DEDICATED	TOTAL AMEND	NEW TOTAL BASE	NEW TOTAL CONTINGENCY	NEW TOTAL DEDICATED	Agreement TOTAL
\$0.00	\$4,400,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Expenditures

TOTAL ORIGINAL PAID	BASE PAID	CONTINGENCY PAID	DEDICATED PAID	AMEND BASE PAID	AMEND CONTINGENCY PAID	AMEND DEDICATED PAID	TOTAL AMEND PAID	TOTAL BASE PAID	TOTAL CONTINGENCY PAID	TOTAL DEDICATED PAID	TOTAL PAID
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Explanation:

INTERMEDIATE VALUES

CONTINGENCY ALLOWANCE ENCUMBERED	DEDICATED ALLOWANCE ENCUMBERED	RETAINAGE	RETAINAGE RELEASED	CONTINGENCY ALLOWANCE REMAINING	DEDICATED ALLOWANCE REMAINING	OPTION TO EXTEND AWARD	OPTION TO EXTEND USED	OTHER PAID	LIQUIDATED DAMAGES CHARGED	LIQUIDATED DAMAGES COLLECTED	CONTRACT REMAINING
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Performance

						PERCENT COMPLETE SUBMITTALS	PERCENT COMPLETE MATERIALS	PERCENT COMPLETE LABOR	PERCENT COMPLETE BASE	PERCENT COMPLETE CO	PERCENT PERFORMED TO DATE
						0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Explanation:

TIME EXPIRED: N/A	TOTAL PAID: 0.0%	PERFORMA
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Today: 4/2/2007 Last Milestone: Current Status: N/A Last Action: RTA Upd 3/30/2007 4:38:00 PM - Patty David

E07-WASD-01 - Agreement History Select:

Exit

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Dept. of Business Development
Project Worksheet

Project/Contract Title: CONSTRUCTION MANAGEMENT SERVICES FOR SOUTH MIAMI HEIGHTS WATER TREATMENT PLANT (SIC 871) RC Date: 03/28/2007 1-01
Project/Contract No: E07-WASD-01 Funding Source: Item No:
Department: WATER & SEWER DEPARTMENT WATER & SEWER REVENUES 05/04/2005
Estimated Cost of Project/Bid: \$4,000,000.00 Resubmittal Date(s): 12/14/2005
Description of Project/Bid: TO ESTABLISH A CONTRACT TO EMPLOY AN ENGINEERING FIRM TO PROVIDE CONSTRUCTION MANAGEMENT SERVICES FOR THE CONSTRUCTION OF THE SOUTH MIAMI HEIGHTS WATER TREATMENT PLANT. THE SELECTED CONSULTANT WILL ALSO PROVIDE SERVICES THAT WILL INCLUDE DAILY INSPECTIONS, MAINTAINING DAILY LOGS, REVIEW AND APPROVE SCHEDULES AND SCHEDULE OF VALUES, PROCESS AND AUTHORIZE PROGRESS PAYMENTS INCLUDING ALLOWANCE ACCOUNTS AND CHANGE ORDERS. 01/25/2006
10/18/2006
11/01/2006

Contract Measures Recommendation

Measure	Program	Goal Percent
Goal	CBE	25.00%

Reasons for Recommendation

This project meets all the criteria set forth in A.O. 3-32, Section V.

Reasons for resubmittal: 12/14/2005 - Project was not advertised during the required 180 days; 01/25/2006 - Technical Category General Civil Engineering was added to subject notice; 10/18/2006 - Project was not advertised within the required 180 days and the estimated cost of the project was reduced from \$6,000,000.00 to \$4,000,000.00; 11/01/2006 - Project number was changed from E05-WASD-05 to E05-WASD-05R; 03/28/2007 - Project number was changed from E05-WASD-05R to E07-WASD-01 and there were minor changes to the scope of work.

SIC 871 - Architectural and Engineering Services

Analysis for Recommendation of a Goal

Subtrade	Cat.	Estimated Value	% of Items to Base Bid	Availability
W & S SEWER SYS-MAJOR WATER & SEWER PUMPING FACILI	CBE	\$200,000.00	5.00%	37
GENERAL STRUCTURAL ENGINEERING	CBE	\$200,000.00	5.00%	33
GENERAL MECHANICAL ENGINEERING	CBE	\$200,000.00	5.00%	28
GENERAL ELECTRICAL ENGINEERING	CBE	\$200,000.00	5.00%	26
ARCHITECTURE	CBE	\$200,000.00	5.00%	42
Total		\$1,000,000.00	25.00%	

Living Wages: YES ☐ NO ☒

Responsible Wages: YES ☐ NO ☒

Ordinance 90-143 is applicable to all construction projects over \$100,000 that do not utilize Federal Funds

REVIEW COMMITTEE RECOMMENDATION

Tier 1 Set Aside _____

Set Aside _____ Level 1 _____ Level 2 _____ Level 3 _____

Trade Set Aside (MCC) _____ Goal 25% Bid Preference _____

No Measure _____ Deferred _____ Selection Factor _____

Chairperson, Review Committee

Date

County Manager

Date